

ABSTRACT**Projection lens fixation and adjustment mechanism**

5 A system and method for fixing a projection lens 102 and adjusting the
position of a projection lens 102 is provided, which is compact and has a high
precision. The projection lens 102 is positioned on a base plate 104. The
position of the projection lens can be adjusted by providing possibilities for
horizontal and vertical shift in a plane perpendicular to the optical axis of the
10 projection lens 102. This is performed by actuating three points of the base
plate 104. Furthermore, by providing further shifting means at the three points
of the base plate 104, tilting of the projection lens can be performed, thus
providing Scheimpflug correction. In this way, motion of the projection lens in
five degrees of freedom is provided by actuating three points at a base plate
15 104 whereon a projection lens 102 can be easily mounted and removed.

+ Fig. 1